

032904

1713

Please type a plus sign (+) inside this box →

PTO/SB/05 (2/98)

Approved for use through 09/30/2000. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

S. PTO

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No. 4015-5177

First Inventor or Application Identifier

Bottomley et al.

Title

Impairment Correlation Estimation in a Spread Spectrum System

Express Mail Label No.

EV 368751902 US

032904

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

17497 U.S.P.T.O.
10/8/11 699

1. *Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. Specification [Total Pages 37]
(preferred arrangement set forth below)
 - Descriptive title to the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
3. Drawing(s) (35 U.S.C. 113) [Total Sheets 10]
4. Oath or Declaration [Total Pages 3]
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 C.F.R. § 1.63(d))
(for continuation/divisional with Box 17 completed)
[Note Box 5 below]
 - i. DELETION OF INVENTOR(S)
Signed statement attached deleting
inventor(s) named in the prior application,
see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).
5. Incorporation By Reference (useable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. Computer Readable Copy
 - b. Paper Copy (identical to computer copy)
 - c. Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. Assignment Papers (cover sheet & document(s))
9. 37 C.F.R. § 3.73(b) Statement Power of Attorney
(when there is an assignee)
10. English Translation Document (if applicable)
11. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
12. Preliminary Amendment
13. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
14. *Small Entity Statement filed in prior application, Statement(s) Status still proper and desired
15. Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. Other: Express Mail Certification

*NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary statement:

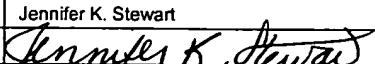
Continuation Divisional Continuation-in-part (CIP) of prior application No: _____ / _____
 Prior application information: Examiner: Group/Art Unit: _____

18. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label

24112

or Correspondence address below

NAME			
ADDRESS			
CITY	STATE	ZIP CODE	
COUNTRY	TELEPHONE	FAX	

Name (Print/Type)	Jennifer K. Stewart	Registration No. (Attorney/Agent)	53,639
Signature		Date	March 29, 2004

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1

These are the fees effective October 1, 2003.

Small Entity payments must be supported by a small entity statement.
 otherwise large entity fees must be paid. See Forms PTO/SB/09-12.
 See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT (\$1702.00)

Attorney Docket No. 4015-5177

Complete if Known

Application Number

Filing Date March 29, 2004

First Named Inventor Bottomley et al.

Examiner Name

Group Art Unit

METHOD OF PAYMENT (check one)

1. The Commission is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 18-1167

Deposit Account Name Coats & Bennett, P.L.L.C.

Charge Any Additional Fee Required Under 37 CFR §§1.16 and 1.17 Charge the Issue Fee Set in 37 CFR §1.18 at the Mailing of the Notice of Allowance

2. Payment Enclosed:
 Check Money Order Other

FEE CALCULATION**1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101	770	201	385 Utility filing fee	\$770
106	340	206	170 Design filing fee	
107	530	207	265 Plant filing fee	
108	770	208	385 Reissue filing fee	
114	160	214	80 Provisional filing fee	
SUBTOTAL (1)				(\$770.00)

2. EXTRA CLAIM FEES

Large Entity Fee Code (\$)	Entity Fee Code (\$)	Fee from below		Fee Paid
		Extra Claims	Fee from below	
Total Claims 60	-20** = 40	X 18	= \$720	
Independent 5	-3** = 2	X 86	= \$172	

Claims
Multiple Dependent Claims X =

** or number previously paid, if greater; For Reissues, see below

Large Entity Fee Code (\$)	Entity Fee Code (\$)	Fee Description
103	18	203 9 Claims in excess of 20
102	86	202 43 Independent claims in excess of 3
104	290	204 145 Multiple dependent claim
109	86	209 43 **Reissue independent claims over original patent
110	18	210 9 **Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		(\$892.00)

ADDITIONAL FEES

Large Entity Fee Code (\$)	Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Paid
105	130	205	65 Surcharge - late filing fee or oath	
127	50	227	25 Surcharge - late provisional filing fee or cover sheet	
139	130	139	130 Non-English specification	
147	2,520	147	2,520 For filing a request for reexamination	
112	920*	112	920* Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840* Requesting publication of SIR after Examination action	
115	110	215	55 Extension for reply within first month	
116	420	216	210 Extension for reply within second month	
117	950	217	475 Extension for reply within third month	
118	1,480	218	740 Extension for reply within fourth month	
128	2,0100	228	1,005 Extension for reply within fifth month	
119	330	219	165 Notice of Appeal	
120	330	220	165 Filing a brief in support of an appeal	
121	290	221	145 Request for oral hearing	
138	1,510	138	1,510 Petition to institute a public use proceeding	
140	110	240	55 Petition to revive - unavoidable	
141	1,330	241	665 Petition to revive - unintentional	
142	1,330	242	665 Utility issue fee (or reissue)	
143	480	243	240 Design issue fee	
144	640	244	320 Plant issue fee	
122	130	122	130 Petitions to the Commissioner	
123	50	123	50 Petitions related to provisional applications	
126	180	126	180 Submission of Information Disclosure Stmt.	
581	40	581	40 Recording each patent assignment per property (times number of properties)	40
146	770	246	385 Filing a submission after final rejection (37 CFR 1.129(a))	
149	770	249	385 For each additional invention to be examined (37 CFR 1.129(b))	

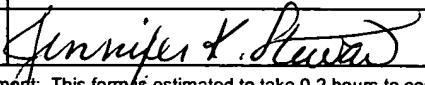
Other fee (specify) _____

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$40.00)**SUBMITTED BY**

Complete (if applicable)

Typed or Printed Name Jennifer K. Stewart	Reg. Number 53,639
Signature 	Date March 29, 2004

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: **Bottomley et al.**)
Serial No.: Unknown)
Filed: March 29, 2004)
Title: **IMPAIRMENT CORRELATION**)
ESTIMATION IN A SPREAD SPECTRUM)
SYSTEM)
Attorney's Docket No: 4015-5177)

**EXPRESS MAIL CERTIFICATION
LABEL NO.: EV 368751902 US**

Raleigh, North Carolina
March 29, 2004

MS PATENT APPLICATION
COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

Sir:

EXPRESS MAIL CERTIFICATE LABEL NO.: EV 368751902 US

DATE MAILED: March 29, 2004

I hereby certify that the enclosed US Utility Patent Application Transmittal Form, Fee Transmittal Form (2 copies), specification and claims (37 pages), drawings (10 sheets), Declaration and Power of Attorney, Assignment and Recordation Sheet, Information Disclosure Form including all pertinent documents pertaining thereto, and our check number 11544 in the amount of \$1702 are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to: **Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Respectfully submitted,

COATS & BENNETT, P.L.L.C.

By:



Jennifer K. Stewart
Registration No. 53,639

Telephone: (919) 854-1844